

SHUMILIN, A. A.

The drying of refractory materials Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1952. 489 p. (54021607)

TN677.S46

MIKHAYLOV, N.M. kand.tekhn. nauk

"Drying of refractories" by A.A. Shumilin, Reviewed by N.N.
Mikhailov. Ogneupory 18 no. 7:332-335 Jl '53. (MIRA 11:10)
(Refractory materials) (Drying apparatus)

131-3-3/16

AUTHOR: Shumilin, A.A.

TITLE: The Combination of a Tunnel-Drying Plant With Furnace Lorries and
a Tunnel Furnace Within One Aggregate (Soyedineniye tunnel'noy
sushilki s pechnymi vagonetkami i tunnel'noy pechi v odin agregat)

PERIODICAL: Ogneupory, 1958, Vol 23, Nr 3, pp 105-106 (USSR)

ABSTRACT: In the Borovichi Kombinat for Refractories the drying plant was connected with the tunnel furnace by which measure work was improved. The aerodynamics of the drying plant and of the furnace remained separate; there were two furnace doors with devices for hoisting and lowering as well as two smoke exhausts. In the case of a short tunnel it is not necessary to separate the aerodynamics. In the metallurgical Kombinat KNR, An'shansk, such a combined aggregate was tested by the removal of the separating space between the drying plant and the tunnel furnace. For this purpose this space was closed off by brick- and metal walls, and the two doors were lifted. After this reconstruction had been carried out the air feed to the drying plant was interrupted and furnace exhaust gases were fed in. After two months of experience it was found

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The Combination of a Tunnel-Drying Plant With Furnace
Lorries and a Tunnel Furnace Within One Aggregate

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that operation of this combined aggregate had become more simple because opening and closing the doors of the furnaces as well as the process of feeding hot air into the drying plant had become superfluous, because the exhaust gases of the furnace sufficed for drying fire clay products which had been pressed by the half-dry method. Furnace efficiency did not deteriorate, the quality of the products remained the same, and there was not more waste than before. This reconstruction can be carried out in all short tunnel furnaces with low resistance.

ASSOCIATION: Leningrad Institute for Refractories (Leningradskiy institut ogneuprov)

AVAILABLE: Library of Congress

Card 2/2 1. Refractory materials-Processing 2. Refractory materials-USSR

15 (2)
AUTHOR:

Shumilin, A. A.

SOV/131-59-7-3/14

TITLE:

A Modern Shaft Furnace for Burning Refractory Raw Materials
(Sovremennaya shakhtnaya pech' dlya obzhiga ogneupornogo syr'ya)

PERIODICAL:

Ogneupory, 1959, Nr 7, pp 300-303 (USSR)

ABSTRACT:

The absence of air blast is mentioned as the principal cause of the insufficient capacity of shaft furnaces (except for the "Magnezit" and Semiluki Works). The capacity of a shaft furnace depends on the dimensions of the raw material charged, as well as on the degree of pressure of the blast. Figure 1 shows the discharge of burnt cement clinker of 1 m³ of the furnaces. A further increase in the capacity of round and rectangular furnaces of the Semiluki Works can be attained by a reduction in the dimensions of the briquette charged which, however, produces an increase in pressure of the blast. Figure 2 shows the dependence of the shaft-furnace capacity on the blast pressure in the enterprises of the KNR and the Semiluki Works. A modern shaft furnace must be equipped with devices for continuous charging and discharging, which has been realized in some works. At the cement industry, a blast pressure of 1600 mm of water column is assumed for a dimension of the charging pieces of ≈ 10 mm. Natural pieces

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A Modern Shaft Furnace for Burning Refractory Raw
Materials

of raw material with dimensions under 10 mm are not used for the charging of shaft furnaces, but they must be ground, briquetted, or granulated, in case of larger quantities. Figure 3 shows the production schemes of the Works im. Ordzhonikidze and Semiluki for plastic and non-plastic raw materials. Figure 4 indicates the variations in the working characteristics and outside dimensions of shaft furnaces from 1880 to 1952 according to data by Ansel'm. The capacity of shaft furnaces rises steadily, and is at present from 150 to 180 tons on some days. The output of the furnace production reaches up to 4.5 t/m³ a day. With the increase in the furnace capacity, the specific fuel consumption is reduced, and attains 900 kcal/kg in burning cement clinker. Conclusions. To improve the work and capacity of shaft furnaces, it is necessary to limit their outside dimensions to 2.4-2.5 m in diameter and 9-10 m in height. The furnaces must be charged with equally coarse raw material, and a high blast pressure must be applied. It is considered necessary to investigate the problems of resistance on a model, and simultaneously carry out experiments under operating conditions. The investigation results are to be used for the reconstruction.

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SOV/131-59-7-3/14

A Modern Shaft Furnace for Burning Refractory Raw
Materials

of existing shaft furnaces. There are 5 figures and 2 references,
1 of which is Soviet.

ASSOCIATION: Vsesoyuznyy institut ogneuporov (All-Union Institute of
Refractories)

Card 3/3

SHUMILIN, A.A.; IVANOV, V.A.; RABINOVICH, M.A.; KRIVOV, M.I.

Calcination of lightweight press-molded refractory products with
waste additives. Ogneupory 25 no.12:540-545 '60. (MIFA 14:1)

1. Vsesoyuznyy institut ogneuporov (for Shumilin, Ivanov). 2. Snigirev-
skiy ogneupornyy zavod (for Rabinovich, Krivoy).
(Firebrick)

SHUMILIN, A.A.

Firing of refractory raw materials in rotary kilns with external heat exchangers. Ogneupory 26 no.11:501-507 '61. (MIRA 17:2)

1. Vsesoyuznyy Institut ogneuporov.

POTEMKIN, P.S.; SHUMILIN, A.A.; KURDIANI, G.P.; KHAZARADZE, M.I.;
TYRTYSHNYY, A.Ye.

Firing Dankov dolomites in rotary kilns. Ogneupory 28 no.9:
389-392 '63. (MIRA 16:10)

1. Vsesoyuznyy institut ogneuporov (for Potemkin, Shumilin).
2. Rustavskiy metallurgicheskiy zavod (for Kuriani, Khazaradze).
3. Dankovskiy dolomitovy kombinat (for Tyrtyshnyy).

SHUMILIN, A.A.; ABAKUMOV, V.G.

Shaft heat exchanger of a rotary kiln for the firing of fireclays.
Ogneupory 30 no.2:1-7 '65. (MIRA 18;3)

1. Vsesoyuznyy institut ogneuporov.

SHUMILIN, A.A.

Heat characteristics of the performance of tunnel-type furnaces.
(MFA 12:9,
Ogneupory 30 no.9:10-12 '65.)

I. Vsesoyuznyy institut ogneuporov.

SHUMILLIN, A.M.

DECEASED
c1960

1961/I

SEE ILC

GLASS MANUFACTURING

SHUMILIN, D.M., dots.

[Use of artificial milk in calf raising] Primenenie iskus-stvennogo moloka pri vyrashchivaniu teliat. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1964. 17 p. (MIRA 18:8)

1. Zaveduyushchiy kafedroy krupnogo zhivotnovodstva Stavropol'skogo sel'skokhozyaystvennogo institute.

SHUMILIN, D.M.

Experiment in increasing the productivity of Mongolian cattle.
Trudy Mong. kom. no. 66:32-42 '54. (MLRA 8:6)
(Mongolia--Cattle)

PHASE I BOOK EXPLOITATION

SOV/4896

Moskovskiy dom nauchno-tehnicheskoy propagandy imeni
F. E. Dzerzhinskogo

Avtomaticheskiye rotornyye linii - sredstvo kompleksnoy avtomatizatsii
proizvodstva. (Rotary-Transfer-Machine Lines-a Means of Full
Automation of Production) Moscow, Mashgiz, 1960. 221 p. 10,000
copies printed.

Ed.: L. N. Koshkina; Ed. of Publishing House: I. Vasil'yeva; Tech.
Ed.: G. V. Smirnova; Managing Ed. for Literature on Metalworking
and Machine-Tool Making: V. I. Mitin, Engineer.

PURPOSE: The book is intended for technical personnel in the machinery industry.

COVERAGE: This collection of articles explains the principles of full automation based on the use of rotary transfer machines in various industries. The rotary operational transfer machines used for basic processing are discussed, and also the special power equipment and

-Card 1/4-

Rotary-Transfer Machine (Cont.)

SOV/4896

accessories for these machines and [production] lines. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Koshkin, L. N. Basic Problems in the Full Automation of
Product Manufacture

3

PART I. ROTARY TRANSFER MACHINES FOR BASIC MANUFACTURING
PROCESSES

Luk'yanov, V. I. Rotors for Die-Pressing Operations	21
Vlasov, M. D. Rotors for Heat Treatment	32
Sirotin, P. I. Rotors for Mechanical Processing	42
Shumilin, D. V. Rotors for Chemical Processing	52

-Card 24

SHUMILIN, F. G.

"Experimental Investigations of the Binding Properties of Ferro-Alloy Dust-Like Slags." Sub 23 Jan 51, Central Sci Res Inst of Industrial Structures (TsNIPS) *for diploma of Candidate of Technical Sciences*.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

SHUMILIN, F.G.

U.S.S.R.

Use of ferroalloys in mortars and concrete. F. G.
Shumilin. Byull. Stroitel. Tekhn. 1953, No. 13, 24-5; Referat.
Shumilin. Byull. Stroitel. Tekhn. 1954, No. 22345.—Ferroalloy slags are fine-grained powders with a small quantity of large inclusions. They are basic and contain approx. 35% of dicalcium silicate. These slags are used in mortars and plaster mixes of the comprn. 1:0.30 (activator:ferroalloy slag:sand). Mixes of this comprn. have hydraulic properties. Blocks made from such mixes and steamed have their strength increasing over a longer period of time than the strength of blocks made with portland cement. M. Horsch

SHUMILIN, G.D., inzh.

Power considerations of the electric drives of water pumping systems. Izv. vys. ucheb. zav.; energ. 5 no.1:50-56 Ja '62.
(MIRA 15:2)

1. TSentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva nechernozemnoy zony. Predstavlena kafedroy elektricheskikh mashin i elektroprivoda Belorusskogo politekhnicheskogo instituta im. I.V.Stalina.
(Mine pumps)

SHAMILIN, Gennadiy Dmitriyevich, aspirant

Concerning the use of asynchronous motors with solid
extended rotors. Izv. vys. ucheb. zav.; elektromekh.
5 no.5:566-569 '62. (MIRA 15:5)

1. Belorusskiy institut mekhanizatsii i elektrifikatsii
sel'skogo khozyaystva.
(Electric motors, Induction)

I
SHUMILIN, G., inzh.-konstruktor

Walls built of coarse porous sandless concrete. Sel'.stroi.
9 no.1:14-15 Ja-F '54. (MIRA 13:2)
(Walls) (Concrete)

LUKASHEV, Ye. A., inzh.; SHUMILIN, G.I., inzh.

Using prestressed reinforced columns made of blocks. Nov. tekhn. i pered.
op. v stroi 20 no.11:14-16 N '58. (MIRA 11:11)
(Columns, Concrete)

REINHOLD, E. A.

Mor., 3rd Surgical Clinic, Moscow City Sci. Res. Inst. First Aid im N. V. Sklifosovskiy,
-cl949-. "The Problem of the Clinical Aspects and Diagnosis of Phlegmonous Gastritis,"
Klin. Med., 27, No. 11, 1949.

SHUMILIN, I.A. (Moskva)

Surgical methods of operation in intestinal knots. Klin.med. 34
no.4:91-92 Ap '56. (MLRA 10:1)

1. Iz tret'yej khirurgicheskoy kliniki (zav. - chlen-korrespondent
Akademii meditsinskikh nauk SSSR professor D.A.Arakov) Nauchno-
issledovatel'skogo instituta skoroy pomoshchi imeni Sklifosovskogo
(INTESTINES--SURGERY)

BOGATYREV, I.S.; POPOVICH, V.Ya., glavnnyy vrach; SHUMILIN, I.N., glavnnyy vrach.

Acute appendicitis and pregnancy. Akush. i gin. no.3:67-68 My-Je '53.
(MLRA 6:7)

1. Khankayskaya rayonnaya bol'nitsa Primorskogo kraya (for Bogatyrev and Popovich). 2. Galichskaya rayonnaya bol'nitsa Kostromskoy oblasti (for Bogatyrev and Shumilin).

(Pregnancy, Complications of) (Appendicitis)

SHUMILIN, I. P.; SHASHKIN, V. L.;

"Radiometric Method of Determining Uranium Content in Samples," and with

SHASHKIN, V. L.; and PRUTKINA, M. I.;

"Relationship between the - and - Radiation in Natural Radioactive Elements,"
Problems in the Geology of Uranium, 159 p (Series: Atomnaya energiya. Prilozheniya,
1957, No. 6).

SHASHKIN, V.L.; SHUMILIN, I.P.

Radiometric method for determining the uranium content in ore samples.
Atom. energ. Supplement no.6:126-135 '57. (MIRA 11:7)
(Radiometer) (Uranium ores--Analysis)

SHASHKIN, V.L.; SHUMILIN, I.P.; PRUTKINA, M.I.

Relation between β -and γ -radiation of natural radioactive elements.
Atom. energ. Supplement no.6:136-145 '57. (MIRA 11:7)
(Radioactivity)

MEZHIBORSKAYA, Kh.B.; SHASHKIN, V.L.; SHUMILIN, I.P.; PCHELINTSEVA, G.M.,
red.; VLASOVА, N.A., tekhn.red.

[Analysis of radioactive ores by the β and γ method] Analiz radioaktivnykh rud β - γ -metodom. Moskva, Izd-vo Glav.uprav.po ispol'zovaniyu atomnoi energii pri Sovete Ministrov SSSR, 1960. 63 p.
(MIREA 13:10)

(Radioactive substances) (Beta rays) (Gamma rays)

SHUMILIN, I. S.: Master Agric Sci (diss) -- "Investigation of biomycin in fattening pigs for meat". Moscow, 1958. 15 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryazev), 110 copies (KL, No 6, 1959, 140)

KLYAGIN, L.Ye, prepod.; SHTEYN, B.B., prepod.; BOGOSLOVSKIY, Yu.V.,
prepod.; KALASHNIKOV, N.I., prepod.; TERENT'YEV, B.P.,
prepod.; ROZENTSVEYG, I.Ye., prepod.; VASIL'YEV, Ye.K.,
prepod.; PETROV, V.F., prepod.; SHUMILIN, M.S.; GALOYAN,
M.A., red.; SLUTSKIN, A.A., tekhn. red.

[Radio transmitting devices] Radioperedaiushchie ustroistva.
Moskva, Sviaz'izdat, 1962. 710 p. (MIRA 16:4)

1. Kafedra radioperedayushchikh ustroystv Moskovskogo elektro-
tekhnicheskogo instituta svyazi (for all except Shumilin,
Galoyan, Slutskin).
(Radio--Transmitters and transmission)

40488

S/106/62/000/009/003/003
A055/A101

9.7.100

AUTHORS: Volkovitskiy, K.Ye., Shumilin, M.S.

TITLE: On the calculation of radio tube operating conditions with a specialized computer

PERIODICAL: Elektrosvyaz', no. 9, 1962, 59 - 65

TEXT: The authors show the possibility and expediency of designing a digital computer for calculating the operating conditions of radio tubes according to their real characteristics. To avoid too complicated and cumbersome memory systems, the computation must not proceed along exactly the same lines as in the graphic analysis method; calculation of cosines of arbitrary angles must, for instance, be avoided, the following method being used instead: 36 points per period permit determinating current pulse components with a precision of the order of 1%. In the projected computer, it is expedient to consider as given 36 values of ωt with 10° -interval. Calculation of cosines of arbitrary angles is thus avoided and the number of $\cos \omega t$ -values to be "memorized" is reduced from 120 to 24. The computer works as follows: 1) The tube character-

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S/106/62/000/C09/003/003
A055/A101

On the calculation of radio tube

istics, the maximum permissible power values and the other previously fixed quantities are "inserted" into it. The characteristics are inserted in digital form, as tables of currents (with the aid of perforated or magnetic tape sections). 2) The values of the variable quantities E_c , U_c , U_a are given by the computer. 3) The computer finds the values of currents for all fixed values of ωt (0° , 10° , 20° ... θ); if the obtained values of e_a and e_c do not coincide with the values inserted in the memory, the computer determines the currents by linear interpolation. 4) The d-c components and first harmonics of currents are determined. 5) The various powers and losses are determined, as well as the efficiency and load impedance. 6) The expediency of the computed regime is determined by comparing the powers with their given or permissible values. If the regime is permissible, it is fixed in the computer memory. The initial conditions are then changed according to program, the performance is repeated, the two results are compared and the best one is chosen. The computer carries on this process till the optimum regime is reached, and then stops. Four, neither cumbrous nor complicated, memory circuits are required. The total number of operations will not exceed 10,000. The required power supply will not ex-

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On the calculation of radio tube....

S/106/62/000/009/003/003
A055/A101

ceed 250 w. The cost of the computer will not be prohibitive. There are 2 figures and 1 table.

SUBMITTED: December 25, 1961

Card 3/3

GOLOVIN, V.A.; KANTSEL', A.V.; SHUMILIN, M.V.

Some structural characteristics of the exogenic uranium mineralization
control in sedimentary and tufaceous rocks. Geol. rud. mestorozh.
no.2:125-129 Mr-Ap '61. (MIRA 14:5)
(Uranium)

ABRAMOV, Konstantin Konstantinovich; BUKHGEYM, Lev Ernestovich;
MALYSHEV, Aleksandr Ivanovich; SHMIDT, Viktor Isaakovich;
SHUMILIN, Nikolay Pavlovich; MEL'NIKOV, P.V., otv. red.;
KOMAROV, Ye.V., red.

[Special measurements in wire communication] Spetsial'nye
izmereniiia v provodnoi sviazi. [By] K.K.Abramov i dr. Mo-
skva, Sviaz', 1965. 231 p. (MIRA 18:5)

ZHELTONOZHKO, Yu.V.; SHUMILIN, O.V.; DUDKO, I.S., gornyy inzh.

Response to A.P.Sudoplatov's article "Problems of the new technology
of underground mining of coal ~~seams~~." Ugol' 36 no.9:54-55 S '61.
(MIRA 14:9)

1. Nachal'nik tekhnicheskogo otdela tresta Kirovugol' (for Zhel-
tonozhko). 2. Nachal'nik normativno-issledovatel'skoy stantsii
tresta Kirovugol' (for Shumilin).
(Coal mines and mining)

SOV/3-58-12-4/43

AUTHOR: Gozulov, A.I., Doctor of Economic Sciences, Professor
Shumilin, P.G., Docent, Candidate of Economic Sciences

TITLE: Methods of Reorganizing Economic Vuzes (Puti perestroyki
ekonomicheskikh vuzov)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 12, pp 25 - 28 (USSR)

ABSTRACT: In discussing the problem of reorganization of the schooling process in economic vuzes, the author states that there are 3 types of tuition: the resident-correspondence, correspondence-resident and the combined. The resident-correspondence system should be the basic one. It should provide for admission of graduates from professional schools and a training of 2.5 years with no outside work. Continuing their education by correspondence, the students undergo on-the-job training for 1.5 years and then return to the vuz where they finish their course of instruction and defend the graduation thesis. The correspondence-resident method of schooling provides that students enrolled in the vuz have studied 2 - 2.5 years only by correspondence, combining their studies with work in plants or offices. Students whose work is not connected with the chosen specialty should change jobs. If they do not succeed in getting work in their specialty, they should only be issued a certificate

Card 1/2

GOZULOV, A.I., doktor ekonom. nauk, prof.; SHUMILIN, P.G., kand. ekonom. nauk, dots.; SHESTAKOV, P.A., red.; SHNEYDERMAN, K.A., red.; TOROPCHIN, N.S., red.; ZHEREBKOV, I.V., red.; IVANOVA, R.N., tekhn. red.

[Rostov Province; nature, population, economy and culture]
Rostovskaya oblast'; priroda, naselenie, khoziaistvo, kul'tura.
Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1961. 333 p.
(MIRA 15:3)

(Rostov Province--Economic geography)

POLIK, B.M.; SHUMILIN, S.I.

Cylindrical periodic action glass furnace. Leg. prom. 15 no.⁴:
52-53 Ap '55. (MIRA 8:7)
(Glass manufacture) (Furnaces)

CHERKASOV, I. V.; MIL'KIN, N. V.

Harakul Sheep

Introducing cort acaricide on Karakul farms. *Nar. i znan.*, 5, No. 4, 1954.

Monthly List of Russian Acquisitions, Library of Congress, June 1952. UNCLASSIFIED.

SHUMILIN, V.

Condition of railroads in West Germany. Zhel.dor.transp. 36
no.6:90-92 Je '55. (MIRA 12:4)
(Germany, West--Railroads)

SHUMILIN, V., starshiy inzhener podrazdeleniya po spetsial'nym primeneniyam
aviatii, Krasnodar.

What hampers the use of aviation on collective farms. Grazhd.av.
13 no.9:29 S '56. (MLRA 9:11)
(Aeronautics in agriculture)

SHUMILIN, V. (Penza)

The birth of sounds. Mest.prom. i khud.promys. 2 no.12:28-29
D :61. (MIRA 14:12)
(Penza--Piano makers)

MANUKYAN, A.A.; GLUSHKOV, V.P.; SHVEDKOVA, V.M.; SVIRIDOVA, Z.P.; CHEBOTA-
REVA, Ye.A.; SHUMILIN, V.I.; PUDINA, K.V.; BRAGINA, N.M.; LUTSKAYA,
Ye.Ye.; KODACHENKO, A.S.; KOSOVA, V.A.; MOKLYARSKIY, B.I.; GRECHIKHIN,
A.A.; KULIKOV, N.I.; RYDVANOV, N.F.; BEL'CHUK, A.I.; VINTSER, Yu.I.;
ROZENTAL', Ye.I.; BELOUS, T.Ya.; SIDOROV, V.F.; ZHDANOVA, L.P.;
ALEKSANDROVSKAYA, L.I.; KOVAL', V.V.; KHAVINSON, Ya.S., glavnnyy red.;
SOKOLOV, I.A., zam.glavnogo red.; ALEKSEYEV, A.M., red.; ARZUMANIAN,
A.A., red.; BELYAKOV, A.S., red.; BECHIN, A.I., red.; VARGA, Ye.S.,
red.; LEMIN, I.M., red.; LYUBIMOVA, V.V., red.; SKOROV, G.Ye., red.
V redaktyrovani uchastvovali: SHAPIRO, A.I., red.; TATISHCHEV, S.I..
KOVRIGINA, Ye., tekhn.red.

[Economic conditions of capitalistic countries; review of business
conditions for 1958 and the beginning of 1959] Ekonomicheskoe polo-
zhenie kapitalisticheskikh stran; kon'yunktturnyi obzor za 1958 g.
i nachalo 1959 g. Moskva, Izd-vo "Pravda," 1959. 127 p. (Prilo-
zhenie k zhurnal "Mirovaya ekonomika i mezhunarodnye otnosheniya,"
no.8, avgust 1959 g.) (MIRA 12:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhunarodnykh
otnosheniy. 2. Kollektiv sotrudnikov kon'yunktturnogo sektora Insti-
tuta mirovoy ekonomiki i mezhunarodnykh otnosheniy AN SSSR (for
Glushkov, Shvedkova, Sviridova, Chebotareva, Shumilin, Pudina, Bragina,
Lutskaya, Kodachenko, Kosova, Moklyarskiy, Grechikhin, Kulikov, Rydva-
nov, Bel'chuk, Vintser, Rozental', Belous, Sidorov, Zhdanova, Alek-
sandrovskaya, Koval'). (Economic conditions)

ACC NR: AP6022198

SOURCE CODE: UR/0115/66/000/005/0021/0024

AUTHOR: Shumilin, V. P.

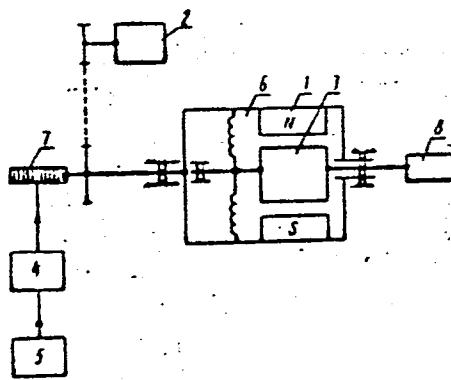
ORG: none

TITLE: Measuring parameters of torsional vibration

SOURCE: Izmeritel'naya tekhnika, no. 5, 1966, 21-24

TOPIC TAGS: torsional vibration, torsiometry,
test facility

ABSTRACT: A new outfit for reproducing torsional vibration is described. Cylindrical rotor 1 (see figure) is driven at a preset speed by motor 2. Torsion pendulum 3 is placed inside the rotor; the pendulum has an electrodynamic drive supplied by amplifier 4 through connector 7. The amplifier is fed by precision-controlled oscillator 5. The pendulum is connected with the rotor by means of elastic suspension 6. Some details of the above outfit are supplied. The outfit has these characteristics: working frequency range, 5-200 cps; maximum



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UDC: 681.2.089.6:531.77

ACC NR: AP6022I98

vibration amplitude, 5×10^{-4} rad for 200 cps and 0.01 rad for 5 cps; amplitude-measuring error, 2%; nonlinear-distortion factor, 1% or less. The outfit is suitable as a reference instrument for checking and testing torsimeters having a moment of inertia up to $0.005 \text{ kg} \cdot \text{m}^2$. Orig. art. has: 4 figures and 15 formulas.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 001

Card 2/2

SKOBELIN, V.M.; RUOKSHA, G.P.; KROTEMKO, F.J., burovoy master (Rostov-na-Donu); KRASTIN, N.A., inzh.; BOBROV, V.V.; SHUMILIN, V.P., brigadir puti (st.Ust'Kamenogorsk, Kazakhskoy dorogi)

Letters to the editor. Put' i put.khoz. 6 no.6:42-43 '62.

(MIRA 15:7)

1. Zamestitel' nachal'nika Kotel'nichskoy distantsii Gor'kovskoy dorogi (for Skobelin). 2. Nachal'nik otdela puti, st. Leningrad-Vitebskiy, Oktyabr'skoy dorogi (for Ruksha). 3. Zamestitel' nachal'nika Terensayskoy distantsii Kuybyshevskoy dorogi (for Krasin). 4. Starshiy dorozhnnyy master, stantsiya Tikhvin, Oktyabr'skoy dorogi (for Bobrov).
(Railroads)

SHUMILIN, Viktor Semenovich; USANOV, P.A., redaktor; FEDOROV, B.M., redaktor;
KARASIK, N.F., tekhnicheskiy redaktor.

[Table for computing the volume of logs edged only on two parallel
edges] Tablitsy ob'emonov neobreznykh pilomaterialov (brus'ev). Moskva,
Gosizdat, 1956. 381 p.
(number--Mensuration)

ZHEGALIN, I.K.; PUSTYGIN, A.A., glav. agronom; SPODENYUK, N.I.; BYKOV, N.I.; REDIN, P.N., glav. agronom; LOGVIN, N.P., Geroy Sozialisticheskogo Truda; GUSEV, I.D.; PETROV, S.N.; VLASOV, A.N., glav. zootehnik; SHEREMET, L.D., glav. bukhgalter; SKAKUNOV, N.V., glav. inzh.; SHUMILIN, V.S., glav. inzh.; CHERNORUBASHKIN, N.A., kombayner; DRYABO, N.Ye.; ZABNEV, V.F., redaktor; SHIROKOV, B.G.; SHEPELEV, M.A.; LEONOVA, T.S.; SAYTANIDI, L.D., tekhn. red.

[Hundred million poods of grain from Stalingrad Province] 100 millionov pudov stalingradskogo khleba. Moskva, Izd-vo M-va sel'.khoz. RSFSR, 1960. 133 p. (MIRA 14:9)

1. Pervyy sekretar' Stalingradskogo oblastnogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza (for Zhegalin).
2. Oblastnoye upravleniye sel'skogo khozyaystva Stalingradskoy oblasti (for Pustygin).
3. Nekhayevskiy rayonnyy komitet Kommunisticheskoy partii Sovetskogo Soyuza (for Spodenyuk).
4. Nachal'nik Kotel'nikovskoy rayonnoy sel'skokhozyaystvennoy inspeksii, Krayniy Yugo-vostok (for Bykov).
5. Kolkhoz "Deminskiy" Novo-Annenskogo rayona, Stalingradskoy oblasti (for Redin).
6. Predsedatel' kolkhoza "Zavety Il'icha" Kalininskogo rayona (for Logvin).
7. Nachal'nik Novo-Annenskoy rayonnoy sel'skokhozyaystvennoy inspeksii (for Gusev).
8. Direktor sovkhoza imeni Frunze Serafimovichskogo rayona Stalingradskoy oblasti (for Petrov).
9. Stalingradskoye oblastnoye upravleniye sel'skogo khozyaystva (for Vlasov).
10. Sovkhoz "Dinamo" Nekhayevskogo rayona Stalingradskoy oblasti (for Sheremet).

(Continued on next card)

ZHEGALIN, I.K.— (continued) Card 2.

11. Oblastnoye upravleniye sel'skogo khozyaystva Stalingradskoy oblasti (for Skakunov). 12. Sovkhoz "Verkhne-Buzinovskiy" Stalingradskoy oblasti (for Shumilin). 13. Otdeleniye No.6 sovkhoza "Serebryakovskiy" Mikhaylovskogo rayona Stalingradskoy oblasti (for Chernorubashkin). 14. Zven'yevoy kolkhoza imeni Lenina Zhirnovskogo rayona Stalingradskoy oblasti (for Dryabo). 15. Danilovskaya rayonnaya gazaeta "Kolkhoznoye znamya" Stalingradskoy oblasti (for Zabnev). 16. Zametitel' predsedatelya oblastnogo ispolnitel'nogo komiteta Stalingradskoy oblasti (for Shirokov).

(Volgograd Province—Grain)

SHUMILIN, Ye., kandidat pedagogicheskikh nauk.

Sleep in human life. Nauka i zhizn' 23 no.1:64 Ja '56.
(MLRA 9:4)
(Sleep)

LANGLEBEN, M.M.; SHAMILINA, A.L.

Translating titles of chemical reports into the informational language. Soob. Otd.mekh.i avtom.inform.rab. no.2:74-88 '61.
(MIRA 15:2)
(Programming languages (Electronic computers).~~Chemistry~~)

PADUCHEVA, Ye.V.; SHAMILINA, A.L.

Syntagmas of the Russian language. Socb. Otd.mekh.i avtom.
inform.rab. no.2:89-113 '61. (MIRA 15:2)
(Machine translating)
(Russian language)

SHUMILINA, A.L.

Problems arising in the analysis of personal pronouns of the
third person. Soob. Otd.mekh.i avtom.inform.rab. no.2:142-149
'61. (MIRA 15:2)

(Machine translating)

VOLOTSKAYA, Z.M.; SHELIMOVA, I.N.; SHUMILINA, A.L.

Some quantitative data regarding the forms of nouns and verbs
of the Russian language, using materials taken from mathematical
texts. Soob. Otd.mekh.i avtom.inform.rab. no.2:254-261 '61.
(MIRA 15:2)

(Programming languages (Electronic computers))
(Russian language)

SHUMILINA, I. I.

ANOKHIN, Petr Kuz'mich and SHUMILINA, A. I.

"Analysis of the Afferent Function of the Aortal Nerve under Conditions of Changing Blood Pressure." Fiz. Zhur., Vol 33, No 3, 1947, p 273. Division of Physiology of the Nervous System of the Inst of Physiology, Acad Med Sci USSR.

SG: U-4396

SMIRNOV, A.I., chlen-korrespondent AMN SSSR; SHUMILINA, A.I., kandidat
meditsinskikh nauk

Experimental infarct of the cardiac ventricles. Klin.med. 33 no.2:
62-77 F '54. (MLRA 8:5)

1. Iz laboratorii fiziologii i farmakologii serdechno-sosudistoy
sistemy (zav. prof. A.I.Smirnov) Instituta farmakologii, khimio-
terapii i khimioprofilaktiki AMN SSSR.
(MYOCARDIAL INFARCT, experimental,
ventric)

SHUMILINA, A. I. and SMIRNOV, A. I.

"The Problem of Experimental Infarction of Ventricular Miocardium,"
Klin. Med., Vol. 33, No. 1, 1955

Inst. of Pharmacology and Therapy, Acad. Med. Sci., Moscow.

Comments K-3546, 13 Jul 1955

SHUMILINA, A. I.

✓ The character of conditioned reflex activity of dogs following the administration of aminazine. A. I. Shumilina (A. V. Vishnevskii Inst. Surgery Acad. Med. Sci. U.S.S.R., Moscow). *Zhur. Neiropatol. i Psichiatrii im. Korsakova* 56, 118-20 (1956).—Aminazine exerted a positive action in some instances of exptl. disturbances of the conditioned reflex responses of the dog. Regardless of the dog's neurotype, addnl. effects of aminozine were: a lowering in the respiratory frequency, a reduction in the rate of salivary secretion in response to an unconditioned food stimulation; the complete absence or considerable reduction in the conditioned salivary response, which indicates that aminazine acts on the bulbar centers as well as on the vegetative app. of the nervous system.

B. S. Levire

SHUMILINA, A. I.

✓ Changes in blood pressure reactions to the stimulation
of the vagus nerve following aminazine injection. E. L.
Golubcova and A. I. Shumilina (A. V. Vishnevskii Inst.
Surgery, Acad. Med. Sci. U.S.S.R., Moscow). *Zhur.
Nevropatol. i Psichiatrii im. Korsakova* 56, 489-94(1956). —

Expts. were performed with dogs under morphine-urethan
narcosis. The vagus nerve, severed from its center, was
stimulated electrically, centrally, peripherally, and unilaterally;
the intact side being used as a control. After
the neuro-response pattern was established 1-15 mg./kg. of
aminazine was injected and elec. stimulation again
applied. The intravenous injection of aminazine in large
doses as a rule brings about a stable reduction of the blood
pressure, which has no effect on the stimulation of the vagus
nerve severed from its center. These two facts serve as
evidence of a sharp lowering in the stimulability of the
vagus nerve center. This assumption is confirmed by the
disappearance of the waves of the second order and a reduc-
tion in the range of the pulse variations. There is evidence
of a sharp drop in the stimulability of the center of the
medulla oblongata as a result of the action of aminazine.
The activity of the heart was not affected by peripheral
stimulation of the vagus severed from its center when a
current of a certain frequency was used. Large doses of
aminazine counteract this effect; small doses act contrary-
wise. *B. S. Levine*

2

Med

SHUMILINA, A.I.

Use of hypothermia in experimental neurosis in dogs. Zhur.nevr.
i psikh. 56 no.6:500-505 '56. (MIRA 9:8)

1. Fiziologicheskaya laboratoriya (zav. prof. P.K.Anokhin)
Instituta khirurgii imeni A.V.Vishnevskogo AMN SSSR, Moskva
(NEUROSES, exper.
eff. of exper. hypothermia in dogs)
(BODY TEMPERATURE
hypothermia, exper., eff. on exper. neuroses in dogs)

SHUMILINA, A.I.

ALEKSEYEVA, T.T.; GLUBEVA, Ye.L.; ZACHINYAYEVA, I.A.; MILYAGIN, Ya.A.;
SHUMILINA, A.I.

Petr Kuz'mich Anokhin; on his 60th birthday. Fiziol. zhur. 44
no. 4:273-280 Ap '58. (MIRA 11:4)
(ANOKHIN, PETR KUZ'MICH, 1898-)

SHUMILINA, A.I.

Comparative characteristics of electric activity of the reticular formation and the cerebral cortex during the formation of conditioned defense reflexes. Fiziol.zhur. 45 no.10:1176-1187 O '59.

(MIRA 13:2)

1. Laboratoriya obshchey fiziologii tsentral'noy nervnoy sistemy Instituta fiziologii AMN SSSR, Moskva.

(ELECTROENCEPHALOGRAPHY)

(REFLEX CONDITIONED)

(BRAIN STEM physiol.)

(CEREBRAL CORTEX physiol.)

SHUMILINA, A. I. (Moskva)

Sravnitel'naya otsekha elektricheskoy aktivnosti kory bol'shikh polushariy i retikulyarnykh struktur stvola, talamusa i gipotalamus pri vyrabotke uslovnogo tormozheniya

report submitted for the First Moscow Conference on Reticular Formation,
Moscow, 22-26 March 1960.

ANOKHIN, P.K., otv.red.; AGAFONOV, V.G., red.; ARSHAVSKIY, I.A., red.; GOLUBEVA, Ye.L., red.; KRYZHANOVSKIY, G.N., red.; PARIN, V.V., red.; SNYAKIN, P.G., red.; TROFIMOV, L.G., red.; SHUMILINA, A.I., red.

[Materials of the First Conference devoted to Problems in the Physiology, Morphology, Pharmacology, and Clinical Aspects of the Reticular Formation of the Brain] Materialy Nauchnoi konferentsii, posvyashchennoi problemam fiziologii, morfologii, farmakologii i kliniki retikuliarnoi formatsii golovnogo mozga. Moskva, 1960. 134 p. (MIRA 14:3)

1. Nauchnaya konferentsiya, posvyashchennaya problemam fiziologii, morfologii, farmakologii i kliniki retikulyarnoy formatsii golovnogo mozga. 1960. 2. Laboratoriya obshchey fiziologii tsentral'noy nervnoy sistemy Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva (for Agafonov, Shumilina). 3. Laboratoriya vozrastnoy fiziologii i patologii Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva (for Arshavskiy). 4. Elektrofiziologicheskaya laboratoriya Instituta mozga AMN SSSR, Moskva (for Trofimov).

(BRAIN)

SHAMILINA, A.I.

Supression of baroreceptor activity of the aortic zone by the intravenous administration of adrenaline. Trudy 1-go MMI 11:275-284 '61.
(MIRA 15:5)

1. Laboratoriya obshchey fiziologii tsentral'noy nervnoy sistemy (zav. - prof. P.K.Anokhin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.

(ADRENALINE) (AORTA--INNERVATION)

SHUMILINA, A.I.

Experimental analysis of the electrical activity of the reticular formation and the cerebral cortex during the formation of conditioned food reflexes. Fiziol. zhur. 47 no.1:3-10 Ja '61. (MIRA 14:3)

1. From the Laboratory of General Physiology of the Central Nervous System, Institute of Normal and Pathological Physiology, Academy of Medical Sciences, Moscow.
(CONDITIONED RESPONSE) (ELECTROENCEPHALOGRAPHY)

SHUMILINA, A.I.

Comparative analysis of changes in the electric activity of
the cerebral cortex and subcortical formations in the stim-
ulation of the reticular formation of the stem and the hippoc-
ampus. Trudy Inst. norm. i pat. fiziol. AMN SSSR 6:6-7 '62
(MIRA 17:1)

1. Laboratoriya obshchey fiziologii tsentral'noy nervnoy sistemy
(zav. - deystviteль'nyy chlen AMN SSSR prof. P.K. Anokhin) In-
stituta normal'noy i patologicheskoy fiziologii AMN SSSR.

SHUMILINA, A.I.; Prinimala uchastiye: IVANOVA, N.A.

Experimental analysis of epileptic discharges occurring in
electric stimulation of the hippocampus. Biul.eksp.biol.i med.
(MIRA 15:12)
54 no.11:3-7 N '62.

1. Iz laboratorii obshchey fiziologii tsentral'noy nervnoy
sistemy (zav. - deystvitel'nyy chlen AMN SSSR P.K.Anokhin)
Instituta normal'noy i patologicheskoy fiziologii AMN SSSR,
Moskva. Predstavlena deystvitel'nykh chlenom AMN SSSR P.K.
Anokhinyem.

(BRAIN) (EPILEPSY) (ELECTROENCEPHALOGRAPHY)

SHAMILINA, A.I.

"Comparative characteristics of electrical activity of the cerebral cortex, the hippocampus and the teticular formation during conditioning defensive and food reactions."

Report submitted, but not presented at the 22nd International
Congress of Physiological Sciences.
Leiden, the Netherlands 10-17 Sep 1962

SHUMILINA, A.I.

Experimental analysis of the sequence of evoked potentials in various structures of the brain during the development of conditioned reactions. Trudy Inst.norm.i pat.fiziol. AMN SSSR 7:112-113 '64.

Formation of functional systemic connections in the cortex and subcortex during the process of the development of conditioned reflexes. Ibid.:114 (MIRA 18:6)

1. Laboratoriya obshchey fizioligii tsentral'noy nervnoy sistemy (zav. - deystvitel'nyy chlen AMN SSSR, prof. P.K.Anokhin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

VOLOTSKAYA, Z. M. and SHUMILINA, A. L. (Moscow)

"Concerning the Question of the Synthesis of the Russian Sentence."

Theses - Conference on Machine Translations, 15-21 May 1958, Moscow.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550210016-0

VOLOTSKAYA, Z. M., PADUCHEVA, Ye. V., SHELIMOVA, I. N. and SHUMILLINA, A. L. (Moscow)

"(Sintagmy) of the Russian Language."

Theses - Conference on Machine Translations, 15 - 21 May 1958, Moscow.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550210016-0"

SHUMILLINA, A. L. (Moscow)

"Correlation of Personal Pronouns of the 3rd Person and of Substantives
Replaced by Them."

Theses - Conference on Machine Translations, 15-21 May 1956, Moscow.

VOLOTSKAYA, Z.M.; SHUMILINA, A.L.

Synthesis of a simple Russian sentences. Soob. Otd.mekh.i avtom.
inform.rab. no.2;166-168 :61. (MIRA 15:2)
(Machine translating)
(Russian language)

VOLOTSKAYA, Z.M.; SHUMILINA, A.L.

Analysis and feasibility of simplifying the structure of language
texts in connection with the construction of an informational
machine. Soob. Otd.mekh.i avtom.inform.rab. no.2:243-253 '61.
(MIRA 15:2)
(Programming languages (Electronic computers))

SHUMILINA, A.P. (Kaspiyskiy, Kalmytskaya ASSR)

Oral arithmetic in the 5th grade. Mat. v shkole no. 3:46-47
(MIRA 16:7)
My-Je '63.

(Mathematics....Study and teaching)

SHUMILINA, G.I., inzh.; VINOGRADOV, L.V.; RASSADIN, Yu.I.

Mechanization and automatization in changing cars at shaft tops.
Gor.zhur. no.5:56-59 My '61. (MIRA 14:6)

1. TSvetmetavtomatika, Moskva (for Shumilina, Vinogradov).
2. Degtyarskiy rudnik (for Rassadin).
(Mine railroads—Cars) (Automatic control)

USSR/Medicine - nutrition

FD-3066

Card 1/1 Pub. 141 - 12/23

Author : Zakharov, N. N.; Shumilina, K. Ya.; Topchevskaya, A. M.

Title : The vitamin C content in certain preserves and natural fruit-berry
juices

Periodical : Vop. pit., 44-45, May/Jun 1955

Abstract : Points out that the vitamin C content in certain canned vegetables
decreases on storage while in others it remains constant. Canneries
should therefore make use of any technological factors which inhibit
loss of vitamin C. No references.

Institution : Sanitary-Hygiene Laboratory, Sanitary-Epidemiological Station, Petrc-
gradskiy Rayon, Leningrad

ZAKHAROV, N.N.; SHUMILINA, K.Ya. (Leningrad)

Studying optimal vitamin requirement of the organism. Vop. pit. 16
no.6:74 N-D '57. (MIRA 11:3)

(VITAMINS, metabolism,
requirement (Rus))

NAUMOV, A.I.; LAPTEVA, Z.G.; SHUMILINA, M.M.

Catalytic conversion of amines. Khim. nauka i prom. 3 no.1:128-129
'58. (MIRA 11:3)

1. Nauchno-issledovatel'skiy institut organiceskikh poluproduktov
i krasiteley im. K.Ye. Voroshilova.
(Amines)

L 17612-66 EWT(m)/EWP(j) RM
ACC NR: AP6002097

SOURCE CODE: UR/0062/65/000/011/1936/1941

AUTHORS: Postnikov, L. M.; Shlyapintokh, V. Ya.; Shumilina, M. N.

44
B

ORG: Institute of Chemical Physics, Academy of Sciences, SSSR (Institut khimicheskoy fiziki Akademii nauk SSSR)

TITLE: Estimation of lifetimes of excited molecules of formaldehyde, formed during the low-temperature gas-phase oxidation of acetaldehyde

1.44, 55

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 11, 1965, 1936-1941

TOPIC TAGS: luminescence, quenching, luminescence spectrum, excited state, formaldehyde, oxidation

ABSTRACT: The effect of oxygen on the chemi-luminescence during the low-temperature gas-phase oxidation of propionic and acetic anhydrides, diethyl ether, and hexane by ditert. butylperoxide was studied to extend the work of L. M. Postnikov and V. Ya. Shlyapintokh (Dokl. AN SSSR 150, 340, 1963). The experimental results are presented in graphs and tables (see Fig. 1). The lifetimes of excited formaldehyde molecules, formed during these reactions, were determined by the method of Sterman and Volmer

Card 1/2

UDC: 541.127+541.51

Z

L 17612-66

ACC NR. AP6002097

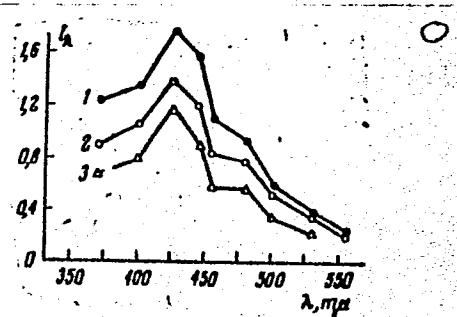
Fig. 1. Luminescence spectra of formaldehyde formed during the oxidation reaction of acetaldehyde. 1 and 2 - 182C; 3 - 121C.

$$\frac{I_1}{I} = \frac{k_1 + k_2}{k_1 + k_2 + k_3(O_2)_1} + \frac{k_3}{k_1 + k_2 + k_3(O_2)_1} (O_2),$$

where I and I_1 are the intensity of luminescence at oxygen concentrations (O_2) and $(O_2)_1$ respectively. It was found that the lower limit for the excitation lifetimes of excited formaldehyde molecules is $\tau > (0.7-1.3) \times 10^{-6}$ sec. Orig. art. has: 1 table, 5 graphs, and 5 equations.

SUB CODE: 07/ SUBM DATE: 29Jul63/ ORIG REF: 006/ OTH REF: 011

Card 2/2 vmb



POSTNIKOV, L.M.; SHLYAPINTOKH, V.Ya.; SHUMILINA, M.N.

CHEMILUMINESCENCE IN SLOW CHEMICAL REACTIONS. PART 4: CHEMILUMINESCENCE
USED IN STUDYING THE KINETICS OF GAS PHASE OXIDATION. KIN. I KAT. 6 NO.2:
185-195 MR-AP '65. (MIRA 18:7)

1. Institut khimicheskoy fiziki AN SSSR.

Shumilina, M. I.

USSR/Chemistry - Synthesis

Card 1/1 Pub. 22 - 27/49

Authors : Tronev, V. G., and Shumilina, M. I.

Title : Synthesis of Pt-hexaammoniates at increased ammonia pressure

Periodical : Dok, AN SSSR 101/3. 499-501, Mar 21, 1955

Abstract : The synthesis of Pt-hexammoniates with the aid of increased pressure of gaseous ammonia is described. The difficulties involved in the conversion of pentammines into hexammines are explained by the weak trans-effect of the ammonia. The use of methylamine and other similar addenda for the displacement of the Cl-atom in aqueous ammonia solutions is recommended for the purpose of obtaining better results. Six references: 4 USSR, 1 USA and 1 German (1882-1952).

Institution : Acad. of Sc., USSR, The N. S. Kurnakov Inst. of Gen. and Inorg. Chem.

Presented by : Academician I. I. Chernyaev, October 14, 1954

1950. K. von k. o. terapii s'klichavloze verblyudov. Tr. Kaz. NIVI, T.V.

MIN. 326-329.

126-1-39/40

AUTHORS: Arkharov, V. I., Konev, V. N., Trakhtenberg, I. Sh.
and Shumilina, S. V.

TITLE: Oxidation of chromium in air and in oxygen.
(Okisleniye khroma v vozdukhe i kislorode).

PERIODICAL: Fizika Metallov i Metallovedeniye, 1957, Vol.5, No.1,
pp. 190-191 (USSR)

ABSTRACT: On the basis of experiments of various authors it can be concluded that the scale on chromium oxidized in oxygen as well as in air consists of rhombohedral Cr_2O_3 . On the basis of indirect indications the assumption was expressed of the existence of $\gamma\text{-Cr}_2\text{O}_3$, but this has not been established experimentally. The influence of the air nitrogen on the process of oxidation has not been taken into consideration by previous authors, although in principle such an influence is possible at elevated temperatures. In other work of one of the authors (Ref.5) formation of a nitride was observed on the X-ray diffraction patterns as a result of nitriding of chromium which was similar to that interpreted in earlier work (Ref.4) as a sign of presence of $\gamma\text{-Cr}_2\text{O}_3$. For getting a more accurate picture on the mechanism of the phenomenon, the authors

Card 1/3

126-1-39/40

Oxidation of chromium in air and in oxygen.

investigated the oxidation of chromium in air and in oxygen. At various temperatures the kinetics of the scale formation was studied (from the gain in weight of the specimen) and also the phase composition and the texture in the layers of the forming scale (by X-ray diffraction) and the microstructure of the layers. The specimens of electrolytic chromium were made in the form of hollow cylinders by a method described in earlier work (Ref.4). The oxidation in air was effected in a vertical electric furnace whereby the specimen was suspended on a tray of an analytical balance located above the furnace, so that the weight increase could be determined without removing the specimen from the hot part of the furnace. Oxidation in oxygen at a pressure of 160 mm Hg was effected in a closed vertical quartz tube placed inside a tubular electric furnace; by means of a special gate the specimen was displaced from the top, cold part into the hot part without disturbing the atmosphere of the tube and, after a fixed oxidation time, the displacement was in the opposite direction. Oxidation in oxygen was effected at 700, 880 and 1000°C; only a single phase was observed in the scale. Oxidation in

Card 2/3

ARKHAROV, V.I.; KONEV, V.N.; TRAKHTENBERG, I.Sh.; SHUMILINA, S.V.

Role of nitrogen in the process of high temperature oxidation of
chromium in contact with air. Issl. po zharopr. splav. 3:402-407
'58. (MIRA 11:11)

(Chromium) (Nitrogen) (Oxidation)

Shumilina, V. I.

USSR/Engineering - Electromagnetic machines

Card 1/1 Pub. 104 - 10/10

Authors : Kolotilina, E. G., and Shumilina, V. I.

Title : The introduction of a cascade electromagnetic separator for the refining of fireclay powder

Periodical : Stek. i ker. 11/12, 29-30, Dec 1954

Abstract : The specifications are given for an electrical apparatus for removing iron particles from fireclay powder. An explanation is given of the working of the machine with figures to indicate its efficiency. Drawing.

Institution : ...

Submitted : ...

BORISOV, B.I.; IGNATOVA, V.A.; KABANOV, N.P.; TERMAN, V.B.; SHAMILINA, V.I.;
NAZAROVA, N.A.; OKAL'NIK, G.N.; POPOV, M.I.

Improving the quality of the surface of sheet glass by electric
heating of the air in the chamber under the vertical drawing
machinery. Stek. i ker. 19 no.2:11-14 F '62. (MIRA 15:3)
(Glass furnaces)

KNYAZEVA, K.I., otv. red.; KARPENKO, V.I., red.; SHUMILINA, V.P., red.
TSILIN, A.P., red.; OBZHIGALIN, K.P., red.; MEMESHKINA, L.I.,
tekhn. red.

[Sakhalin Province; collection of articles] Sakhalinskaia oblast';
sbornik statei. I Uzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo,
1960. 367 p. (MIRA 14:6)

(Sakhalin)

SHUMILINA, Z. K.

32617. SHUMILINA, Z. K. Kak uvelichit' vyklod seyantsev zheltoj akatsii i
uluchtsit' ikh Post. les i step', 1949, № 3, s. 90-92

SO: Letopis' Zhurnal' nykh Statey, Vol. 44

СКРИПАЛЬ, А. И.

Kiev University, Institute of Veterinary Medicine, "Works in Helminthology" on the
75th Birthday of K. I. Skryabin, Izdat. Akad. Nauk. SSSR, 1953, page 793
Veterinary Inst. Moscow Filial VASKNIL

22

SHCHERBINA, N. V.

"Most Important Helminthoses of the Camels in Western Kirgizia and the Results of the Search for Measures for Control of Them."
and the Results of the Search for Measures for Control of Them."
Can. Vet. Sci., Alma-Ata Veterinary Inst., Alma-Ata, 1953. (RZhBiol,
No 1, Sep 54)

SC: Sum 432, R# Mar 55

S H u m - L i s h k y , M . A .

SCIENTIFIC-TECHNICAL CONFERENCE ON SHIPBOARD AIR-CONDITIONING -- Leningrad,
Moldostroyeniye, No 9, sep 59, (pp 66-7).

In June 1959, a scientific-technical conference concerned with shipboard air conditioning was held in Sholayevsk. It was organized by the Nekholayevsky Sovnarkhoz, the Nekholayevskaya Odessa Scientific and Technical Society [NTO] of the Shipbuilding [subsectorial] 'Aye' Industry, and the Council of the Scientific and Technical Society [NTO] of the Nekholayevsk Shipbuilding [nonindustrial] 'Org' Institute.

Representatives of 138 plants, designing bureaus, and educational institutions took part in the conference.

In the opening address, "The Present Situation and Development Plans of Shipboard Air Conditioning," Docent V. M. Bureik delineated the main tasks of the conference as follows: the exchange of information about and the solutions to the problems in the field of planning, testing, and operating air-conditioning systems on maritime and river ships; the critical evaluation of existing norm formulation; the problems of operating norms; research into the problem of the rational use of air; and the automatization of air-conditioning systems.

Papers read and discussed at the conference included: "Modern Techniques in Shipboard Air Conditioning" by Doctor I. V. Tarshis, Cand. Tech. Sci.; "Problems of Processing the Bulk Air on Maritime Freight Carriers" by V. P. Trifus, Eng.; "The Present Situation of and Development Plans for Air Conditioning in India" by Professor V. S. Karpovskiy, Dr. Tech. Sci.; "Present Shipboard Air-Conditioning Techniques in Finland" by A. T. Mat'syars, Eng.; "Refrigerating Machinery for Shipboard Air-Conditioning Systems" by Ye. Eh. Bulov, Eng.; "Using High Pressure Systems for Shipboard Air Conditioning" by V. V. Losinov, Cand. Tech. Sci.; "Long-Range Development Plans for Shipboard Refrigerating Machinery in the USSR During the 1961-1965 Seven-Year Plan" by R. V. Pavlov, Eng.; "The Production of Shipboard Refrigeration Equipment at the Kompreksor Plant" by N. G. Smirnov, Eng.; "Planning and Operating the First Domestically Produced Air-Conditioning Equipment on River Ships" by V. G. Semenov, Eng.; "The Air-Conditioning System on board the Sea-going MV 'Palka Dharashwami'" by V. V. Razoukov, Eng.; and "The High Pressure System of Comfortable Air-Conditioning on board the Maritime Dry-Cargo Vessel 'Lenibogat'" by B. T. Ryabchuk, Eng.

SHUMILKIN, S.V.

Application of the immersion method. Razved. i okh.nedr
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AUTHOR:

Shumilkin, S. V., Reviewer

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ABSTRACT:

From data presented at the International Mineral Dressing Congress held in Stockholm, September 1957, the lectures of E. Svenke and J. B. Clemmer are reviewed. There are 1 figure and 3 references, none of which are Soviet.

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